

Title (en)
SLIDING BEARING MATERIAL AND ITS USE

Title (de)
GLEITLAGERWERKSTOFF UND DESSEN VERWENDUNG

Title (fr)
MATERIAU CONSTITUTIF DE PALIERS LISSES ET SON UTILISATION

Publication
EP 0837996 B1 20020911 (DE)

Application
EP 96920726 A 19960625

Priority
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• DE 19524968 A 19950708

Abstract (en)
[origin: DE19524968A1] A sliding bearing material contains a matrix material and an antifriction material composed of at least one fluorinated plastic material and fillers. The antifriction material contains as fillers 5 to 48 % by volume boron nitride and 2 to 45 % by volume of at least one metal compound with a stratified structure, the proportion of fluorinated thermoplastic material amounting to at least 50 to 85 % by volume. The fluorinated thermoplastic material is a PTFE or PTFE with additives; MoS₂, tungsten sulphide, titanium sulphide or titanium iodide may be used as metal compounds. The matrix material may be a sintered bronze into which the antifriction material is incorporated or a thermoplastic material in which the antifriction material is finely distributed. The proportion of plastic matrix material in the whole sliding bearing material lies at 60 to 95 % by volume.

IPC 1-7
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IPC 8 full level
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CPC (source: EP KR US)
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Citation (examination)
• JP S58138747 A 19830817 - MITSUI TOATSU CHEMICALS
• US 3879301 A 19750422 - CAIRNS JAMES W
• WO 9204551 A1 19920319 - GLACIER METAL CO LTD [GB]
• GB 2274844 A 19940810 - T & N TECHNOLOGY LTD [GB]

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